## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION                  | INITIALS | ID NO. | DATE    |
|---------------------------|----------|--------|---------|
| FEE DETERMINATION         | n G      |        | 26.1=   |
| O.I.P.E. CLASSIFIER       |          | 1/2    | 3/24/00 |
| FORMALITY REVIEW          | 185      | 11/231 | 3/29/10 |
| RESPONSE FORMALITY REVIEW |          | 01100  | 5-18-00 |

## INDEX OF CLAIMS

| ~ | Rejected                   | N | Non-elected       |
|---|----------------------------|---|-------------------|
|   | (Through purpose)) Or and  | l | Interference      |
|   | (Through numeral) Canceled | Α | Appeal            |
| • |                            | 0 | ········ Obiected |

|     |          |            |          |           |                         |                | ÷              |   |         |          |                    | l           |          |              |          |          |          | 0         |           | •••••     | •••••     |           |          | (             | фр<br>Obje | eal<br>ecte   | 1        |          |  |                |  |                |               |          |
|-----|----------|------------|----------|-----------|-------------------------|----------------|----------------|---|---------|----------|--------------------|-------------|----------|--------------|----------|----------|----------|-----------|-----------|-----------|-----------|-----------|----------|---------------|------------|---------------|----------|----------|--|----------------|--|----------------|---------------|----------|
|     | CI       | aim        |          |           |                         |                | Dat            | te  |         |          |                    | Cla         | aim      |              | _        |          | Da       | ite       |           |           |           | $\neg$    |          | laim          | Т          |               |          |          |  |                |  |                |               |          |
|     |          | 画          | 2        | 10        | 3                       | 10             | 3              |   |         |          | $\Box$             |             | _        | T            | $\top$   | Τ        | Т        | Г         |           | Г         |           | ヿ         | <u> </u> | $\overline{}$ | +-         | _             | 1        | _        | Da   | 10             |  | <del>,</del> - | •             |          |
|     | Finai    | Original   | 3/24a    | ٩         | 123                     | 10 15 53       | 2 8 M          |   | -       |          |                    | Final       | Original |              |          |          | 1        |           |           |           |           |           | -        | Original      |            |               |          | 1        |  | 1              |  |                |               | i        |
|     | ΙĒ       | <u>ō</u>   | 1        | 9         | 0)                      |                | _              |   |         |          |                    | 12          | ő        |              |          | İ        |          |           |           |           |           |           | Fig.     | 18            | '          |               | l        | l        |  |                |  |                | i             | !        |
|     | L        | עוו        | ν,       | -         | V                       | M.             | V              | $\sqcup \bot$                                       | $\perp$ |          | $\square$          |             | 51       |              |          | Т        | Т        |           |           |           |           | $\neg$    | F        | 10            | ,          | ╁             | -        | ╁        | ┝  | ╁              | <del>!-</del> -                                  | <del> </del> - | -             | -        |
|     |          | 2          | 7        | 1         | 2                       |                | ~              |   |         |          |                    |             | 52       |              | Т        | T        |          | Г         |           |           | П         | $\dashv$  | -        | 10            |            | ╁╴            | ╁        | -        | ┰  | ├              | -  |                | -             |          |
|     | L        | 3          | <b>V</b> | V         | マ                       | V              | ~              |   |         |          |                    |             | 53       | Т            |          |          | Т        |           |           |           | П         |           | $\vdash$ | 10            |            | ╈             | ╁╌       | ╁        | ┼-   | ╆-             |  | $\vdash$       | H             | -        |
|     | 匚        | . 4        | ユ        | 7         | 7                       | V              | 7              |   | ·       | $\perp$  |                    |             | 54       |              | 1        |          |          |           | П         | Г         | Н         | $\exists$ | -        | 10            | _          | +-            | ┢        | ╁╌       | -  | ├              | ┼-   | $\vdash$       | <del></del>   | _        |
|     | 1        | 6          | y        |           | _,                      | L,             | Ш              | $\perp$   | _       |          | $\perp$            |             | 55       |              |          |          |          |           |           |           |           |           |          | 10            |            | ✝             | ┢        | ╁╌       | ┢  | ┢              | <del> -</del>                                    |                | -             | -        |
|     | <u>"</u> | الأرا      | J.       | 4         | V                       | ₹,             | U              |   | $\perp$ | 1        | Ш                  |             | 56       |              | $\perp$  |          |          |           |           |           |           |           |          | 10            | 1          | 1             | 1        | ✝        | <del>                                     </del> | ┢              | $\vdash$   | $\vdash$       | -             | -        |
| -   | <u> </u> | 7          | 7        | J         | V,                      | V              | 4              |   | _       | $\perp$  | Ш                  |             | 57       | $\perp$      |          | L        | L        |           |           |           |           |           |          | 10            | ·          | 1             | <u> </u> | 1        | $\vdash$   | 1              | ┼-   | H              |               | -        |
|     | <b></b>  | 8          | J        | 1         | V                       | V,             | V              | $\Box$  | _       | 4        | Ш                  |             | 58       |              | $\perp$  |          | L        |           |           |           |           |           |          | 100           | 1          | 1             |          |          | † –  |                | <del>                                     </del> | $\vdash$       | H             | -        |
|     | <u> </u> | 9          | 7        | 7         | V                       | 1              | V              | $\perp$   | 4       | $\bot$   | $\Box$             |             | 59       | Ц.           |          | L        |          |           |           |           |           |           |          | 103           |            |               | $\vdash$ |          | $\vdash$   | $\vdash$       | ┢  | $\vdash$       | М             |          |
|     | _        | 10         | 7        |           | Ļ                       | V,             | 1              | $\perp$   | 4       | ┸        | $\perp$            | Ш           | 60       |              | $\perp$  |          | L        |           |           |           |           |           |          | 110           |            |               |          |          |  | _              | ┢  | Н              | m             |          |
|     | _ئإ      | 11         | K        | প্র       | ٧,                      | Į              | M              | _   | 4       | <u> </u> | $\sqcup$           | Ш           | 61       |              | $\perp$  | <u> </u> | _        | Ш         | _         |           |           |           |          | 11            |            |               |          |          |  |                | _  | Н              |               |          |
|     | 1        | 12         | Y        | H         | √,                      | V              | $ \checkmark $ | $\dashv$  | 4       | 4        | $\sqcup$           | $\square$   | 62       | $\perp$      | $\bot$   | 1_       | L        | Ш         | ]         |           | $\Box$    |           |          | 112           |            | Γ             | Γ        | Γ        |  | Г              | Г  | П              | Н             | П        |
| 1   | ļ,       | 13         | 뇐        | 11.       | <b>√</b>                | V              | V              | _   | 4       | $\bot$   | $\perp \downarrow$ | $\sqcup$    | 63       | $\perp$      | $\bot$   | <u> </u> | <u> </u> | Ш         | $\perp$   |           |           |           |          | 113           |            |               |          |          |  |                | Г  | М              | П             | П        |
|     | $\vdash$ | 14         | K        | IJ        | <b>√</b>                | V,             | Y              | _   | 4       | _        | $\sqcup$           |             | 64       |              | $\perp$  | <u> </u> |          |           | _         |           |           |           |          | 114           | 4          | Π             | Π        |          | Г  |                | $\vdash$   | П              | $\Box$        |          |
|     | ┝╌       | <b>1</b> 5 | ᆚ        | _         | <b>√</b>                | LV,            | V              | _   | 4       | 1        | Ш                  |             | 65       |              | $\perp$  | <u> </u> |          | Ш         | _         |           |           | ╝         |          | 115           |            | Π             |          |          | Г  |                |  | П              | П             | П        |
|     |          | 16         | _        | _         |                         | V              | V              | _ _   | $\perp$ | 1        | Ш                  |             | 66       | 4            | $\perp$  | ↓_       |          |           | _         |           |           |           |          | 116           |            | П             |          |          |  | Г              |  | $\sqcap$       | П             |          |
|     |          | 17         | $\dashv$ | _}        | Y                       | V,             | 4              | $\perp$   | 4       | ┸        | Ш                  |             | 67       | _L           | ┸        | <u> </u> | L.       |           |           |           |           |           |          | 117           | Ī          |               | Г        | Г        |  |                |  | П              |               | П        |
|     |          | 18         | 4        | _         | ٧                       | V              | 4              | _   | $\bot$  | _        | Ш                  |             | 68       |              | ┸        | <u> </u> |          |           |           |           |           |           |          | 118           |            |               |          |          | Г  |                |  | П              |               |          |
| _   | _        | 19         | $\sqcup$ |           | ⊿                       | V              | 4              |   | $\perp$ | $\perp$  | Ш                  |             | 69       | Ш.           | L        | L        |          |           |           |           |           |           |          | 119           |            |               |          |          | Г  |                |  |                | П             |          |
|     | -        | 20         |          |           |                         |                | 1              |   |         |          |                    |             | 70       |              | 1        |          |          |           |           | Ī         |           |           |          | 120           | Г          |               |          |          |  | $\Box$         |  |                | П             |          |
|     | <u></u>  | 21         |          |           |                         |                | V              |   |         |          |                    |             | 71       |              | 1        | Π        |          |           |           |           | 7         | 7         |          | 121           |            |               | $\vdash$ | <u> </u> | Г  |                | <u> </u>   | М              |               | $\dashv$ |
|     |          | 22         | $\perp$  | $\perp$   |                         |                | 4              |   |         |          |                    |             | 72       |              |          |          | П        |           | T         | 7         | $\exists$ |           |          | 122           |            | †             |          |          |  | Т              | Н  | П              | П             | $\dashv$ |
|     |          | 23         |          |           | _                       |                | 4              |   |         |          |                    |             | 73       |              | Т        |          | П        | $\exists$ | 丁         |           | 寸         | 7         |          | 123           |            |               |          | Ι        |  | П              |  | $\Box$         | $\Box$        | ᅥ        |
| -   |          | 24         |          | $\perp$   | _                       |                | 1              |   |         |          |                    |             | 74       |              |          |          |          | 7         | Ť         |           |           |           |          | 124           |            | T             | $\vdash$ |          |  | П              |  | $\Box$         | $\neg$        | ┪        |
|     |          | 25         |          |           |                         |                |                |   |         |          |                    |             | 75       |              | Γ        |          |          |           | 丁         |           |           |           |          | 125           |            |               |          | $\Box$   |  |                |  |                | $\neg$        | $\neg$   |
|     | _        | 26         |          | $\perp$   |                         |                |                |   |         |          |                    |             | 76       | T            | Τ        |          | П        | $\neg$    | $\neg$    |           | 一         | 7         |          | 126           |            | Г             |          | Н        |  |                |  | $\Box$         |               | ᅥ        |
| 1   |          | 27         |          |           |                         |                |                |   |         | Т        |                    | П           | 77       |              | Τ        |          |          |           |           | T         | $\neg$    | _         |          | 127           |            |               |          |          | П  | П              |  |                | $\neg$        | ᆨ        |
|     |          | 28         | $\perp$  |           | $\perp$                 |                |                |   |         |          |                    |             | 78       |              | T        | П        |          | $\neg$    | 7         |           | T         |           |          | 128           | _          |               |          | _        |  | П              |  | T              | $\neg$        | ヿ        |
| U   |          | 29         |          |           |                         |                |                |   | Т       |          |                    |             | 79       |              | Т        | П        | $\Box$   | Ť         | $\neg$    |           | 丁         | 7         |          | 129           |            |               |          |          |  |                |  | 寸              | $\neg$        | ヿ        |
| -   |          | 30         |          | $\perp$   |                         |                |                |   |         | T        |                    |             | В0       |              | Т        |          |          |           | $\neg$    | $\neg$    | $\neg$    | _         |          | 130           |            |               |          |          |  |                |  | $\neg$         | ╗             | ᅱ        |
|     | <u> </u> | 31         |          |           |                         |                |                |   |         |          |                    |             | 81       |              | 1        | П        |          | 1         |           | T         | _         | 7         |          | 131           |            | П             |          |          |  |                |  |                | $\neg$        | 1        |
|     |          | 32         |          |           |                         |                |                |   |         | Г        |                    |             | 32       |              |          |          |          |           |           | T         |           |           |          | 132           |            |               |          |          |  | П              | _  |                | _             | ᅦ        |
|     |          | 33         |          |           | :                       |                |                |   |         | Г        |                    |             | 33       |              |          |          | $\neg$   |           |           |           |           | 7         |          | 133           |            |               | $\neg$   |          | $\neg$   |                |  |                | $\neg$        | 7        |
| - 1 |          | 34         |          |           |                         |                |                |   |         |          |                    |             | 34       |              | Т        |          |          | 7         | $\top$    | T         | _         |           |          | 134           | _          |               |          |          | _  |                |  |                | $\neg$        | -1       |
| j   |          | 35         |          |           | $\Box$                  | $\prod$        | $oxed{oxed}$   | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Gamma}}}$ |         |          |                    |             | 35       | $oxed{oxed}$ |          |          |          |           |           |           |           |           |          | 135           |            |               |          | $\neg$   |  |                |  | _              | $\exists$     | $\neg$   |
|     |          | 36         | $\perp$  | $oxed{J}$ | $oldsymbol{\mathbb{I}}$ | $ \mathbb{J} $ |                | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$   | $\perp$ |          |                    |             | 36       | floor        |          |          |          |           |           | $\top$    | 7         |           |          | 136           |            | П             |          |          |  | $\neg$         |  | $\dashv$       | 7             | ᅦ        |
|     |          | 37         |          |           |                         |                |                |   |         |          |                    |             | 37       |              |          |          | $\neg$   | T         | 7         | $\neg$    | $\exists$ | 7         |          | 137           |            |               |          |          |  | $\neg$         |  | $\neg$         | $\neg$        | $\neg$   |
| l   |          | 38         |          |           |                         |                |                |   |         |          |                    | 1           | 38       | T            |          |          | $\neg$   | T         | 7         | 1         | T         | 7         |          | 138           |            |               | $\neg$   |          |  |                |  | $\neg$         | $\neg$        | _        |
| - [ |          | 39         |          |           |                         |                |                |   |         |          |                    | [ [         | 39       |              |          |          | ╗        |           | 1         |           | $\top$    | 7         | П        | 139           |            |               |          |          | $\neg$   | $\neg$         |  | $\dashv$       | 1             | 7        |
|     | Ţ        | 40         | _[       |           | Т                       | T              | T              | T   | T       |          |                    |             | 90       | Τ            |          | T        | 寸        |           | 十         | 7         | 1         | 1         |          | 140           |            |               |          |          | $\neg$   |                |  |                | $\neg$        | ヿ        |
|     |          | 41         |          |           | T                       |                |                |   | T       | Τ        |                    | 19          | )1       | 1            |          |          | ヿ        | $\neg$    | _         | $\top$    | す         | 7         |          | 141           |            |               | $\neg$   | _        | _  | 寸              |  | $\neg$         | $\neg$        | 一        |
|     | 7        | 42         | 7        | 7         | T                       | 7              | $\dashv$       | 1   | 1       | $\vdash$ | $\dashv$           |             | 2        | 1            |          | $\dashv$ | 7        | $\neg$    | $\top$    | $\dagger$ | $\top$    | 7         | $\vdash$ | 142           | $\neg$     | _             | $\dashv$ | $\dashv$ | $\dashv$   | 一              | -  | $\dashv$       | ᅥ             | ㅓ        |
| Ì   | 7        | 43         | $\top$   | +         | +                       | $\dashv$       | $\top$         | $\top$  | T       | 1        | $\dashv$           | <del></del> | 93       | 1-           | 1        |          | 十        | - -       | -         | +         | +         | ٦         |          | 143           | $\dashv$   |               | ᅥ        |          | -  | $\dashv$       | $\dashv$   |                | $\dashv$      | ㅓ        |
| Ì   | 1        | 44         | $\neg$   | +         | 7                       | 7              | 7              | $\top$  | 1       | П        | $\dashv$           |             | 94       | 1            |          | $\dashv$ | $\dashv$ | 十         | - -       | +         | +         | 7         |          | 144           | -          | -             | ┪        | -        | ᅱ  | $\dashv$       | <del></del> i                                    | -              | 寸             | 一        |
|     |          | 45         | +        | $\dashv$  | $\top$                  | $\dashv$       | $\dashv$       | $\top$  | †       | Н        | _                  |             | 5        | +            | Н        | $\dashv$ | $\dashv$ | +         | - -       | +         |           | 7         | -        | 145           | $\dashv$   | _             | +        | ┪        | +  | ┪              |  | +              | -             | ᅱ        |
|     | _        | 46         | +        | $\top$    | $\top$                  | $\dashv$       | - -            | 1   | ✝       | H        |                    |             | 6        | +            |          | $\neg$   | $\dashv$ | +         | $\dashv$  | +         | +         | ┪         | -        | 146           |            | <del>-i</del> | 寸        | -        | 7  | -              | -  | -+             | +             |          |
|     |          | 47         | 7        | - -       | $\top$                  | $\dashv$       | 十              | $\top$  | 1       | H        | $\dashv$           | _           | 7        | +            | $\vdash$ |          | $\dashv$ | $\dashv$  | $\dashv$  | +         | $\top$    | 7         |          | 147           | 급          | $\dashv$      | +        |          |  | -              | $\dashv$   | 寸              | <del></del> † | $\dashv$ |
| ŀ   | _        | 48         | +        | 十         | $\top$                  | +              | $\dashv$       | $\dashv$  | +-      | $\vdash$ | $\dashv$           |             | 8        | +            |          | 一        | +        | +         | $\dagger$ | +         | ÷         | -         |          | 148           | 1          | 寸             | $\dashv$ | -        | $\dashv$   | $\dashv$       | -  | $\dashv$       | -             | -!       |
| ŀ   |          | 49         | Ť        | 7         | +                       | 十              | 十              | +   | 1       | 1        | -                  | <u> </u>    | 9        | +            | $\Box$   | $\dashv$ | +        | 十         | _         | +         | +         | 7         | ļ        | 149           |            |               | -        |          | $\dashv$   | +              | -  |                | -i            | $\dashv$ |
| Ì   | <u>i</u> | 50         | $\top$   | Ť         | +                       | +              | -              | †   | 1       | П        | _                  |             | 00       | -            | $\vdash$ |          | - !      | i         | +         | Ť         | ;         | -         |          | 150           | -          | $\dashv$      |          | -        | $\dashv$   | — <del>!</del> | $\dashv$   |                | $\dashv$      |          |
| -   |          |            |          |           |                         |                |                |   |         |          |                    |             |          |              |          |          |          |           |           |           |           | _         | -        |               |            |               |          |          | _  |                |  |                |               | نــــ    |

If more than 150 claims or 10 actions staple additional sheet here